	Application No.	Applicant(s)
Notice of Allowability	10/075,718	CHEN, ALLAN Y.
	Examiner	Art Unit
	Jennifer Kim	1617
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate communities. This application is su	this application. If not included nication will be mailed in due course. THIS
1. This communication is responsive to <u>May 10, 2005</u> .		
2. The allowed claim(s) is/are 42-46 and 48 (renumbered as	<u>1-5 and 6)</u> .	
3. The drawings filed on 12 February 2002 are accepted by the Examiner.		
 4. ☐ Acknowledgment is made of a claim for foreign priority una) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. ☐ A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 	e been received. e been received in Application cuments have been received of this communication to file at MENT of this application. eitted. Note the attached EXAMES reason(s) why the oath or communication.	n No in this national stage application from the a reply complying with the requirements MINER'S AMENDMENT or NOTICE OF
6. CORRECTED DRAWINGS (as "replacement sheets") mus		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
 hereto or 2) ☐ to Paper No./Mail Date including changes required by the attached Examiner's Paper No./Mail Date 		n the Office action of
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in t		
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT		
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Sur Paper No./N 7. ☑ Examiner's A	Mail Date Amendment/Comment Statement of Reasons for Allowance

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EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Ms. Nan Wu on May 10, 2005.

1. Amend the Claims as follows:

IN THE CLAIMS:

Cancel claims 1-22 and 47 without prejudice.

Claim 42, line 1, after the term "radiation" insert - - - in the treatment of breast cancer- - - - .

Claim 42, line 7, after the phrase "non-cytotoxic level" insert - - - corresponding to the effect obtained in MCF-7 cell culture using said indolocarbazole derivative at a concentration of at least 1, 2, 5 or 10 ug/ml, but not exceeding 10ug/ml.- -

Remarks

The above amendment places this case in condition for allowance.

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The following is an examiner's statement of reasons for allowance:

The claims are allowable over the cited prior art because the prior art does not teach, disclose nor make obvious the claimed method for enhancing the effect of radiation in the treatment of breast caner comprising administering to a subject in need of such treatment a radiosensitivity increasing amount of an indolocarbazole derivative having the structure A set forth in claim 42 wherein the subject is treated with radiation and the amount of indolocarbazole derivative is at a non-cytotoxic level corresponding to the effect obtained in MCF-7 cell culture using said indolocarbazole derivative at a concentration of at least 1, 2, 5 or 10 ug/ml.

The prior art of record, Chen et al. teach that the camptothecin enhanced the cytotoxicity of radiation. However, it does not teach the specified structure A set forth in claim 42 administering a radiosensity increasing amount at a non-cytotoxic level corresponding to the effect obtained in MCF-7 cell culture using indolocarbazole derivative at a concentration of at 1, 2, 5 and 10ug/ml.

The prior art of record, Prudhomme teaches that rebeccamycin analogues useful for having antitumor activity. However, it does not teach the radiosensitivity increasing effect of rebeccamycin by administration of non-cytotoxic level corresponding to the

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effect obtained in MCF-7 cell culture using said indolocarbazole derivative at a concentration of at least 1, 2, 5 or 10 ug/ml.

Therefore, there is not motivation to combine above reference since there is no suggestion from neither references that non-cytotoxic level of indolocarbazole combined with radiation would enhance the radiosensityity effect.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jennifer Kim whose telephone number is 571-272-0628. The examiner can normally be reached on Monday through Friday 6:30 am to 3 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sreenivasan Padmanabhan can be reached on 571-272-0629. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

> Sreenivasan Padmanabhan Supervisory Examiner

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Jmk